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☐ YP Hsu and GB Kohlhaw
Overproduction and control of the LEU2 gene product, beta-isopropylmalate dehydrogenase, in transformed yeast strains
J. Biol. Chem., Jan 1982; 257: 39 - 41
▸.....transformed yeast strains, 21D/pYT14-LEU2 and **AH22**/CV9-2, were found to produce &isopropylmalate...replicates autonomously, whereas strain **AH22**/CV9-2 carries multiple copies of the...about 50 copies/cell in many strains of **S. cerevisiae** (IO, 17). Strain **AH22**/CV9-2 was obtained from T. D. Petes.....
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☐ M Tokunaga, A Kawamura, K Kitada, and F Hishinuma
Secretion of killer toxin encoded on the linear DNA plasmid pGKL1 from Saccharomyces cerevisiae
J. Biol. Chem., Oct 1990; 265: 17274 - 17280
▸.....host cells (S. cereuisiae **AH22**). The IgG fraction in the...plasmids Characteristics SCRWe **S. cerevisiae AH22** MATa, his4, leu2 N. G. YNN27...lysIO, cyh', karl K. K. F102-2 **AH22** containing pGKL1 and pGKL2...Killer Toxin Secretion from **S. cerevisiae** Sepharose column, and used.....
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☐ P Mantsala and H Zalkin
Glutamine nucleotide sequence of Saccharomyces cerevisiae ADE4 encoding phosphoribosylpyrophosphate amidotransferase
J. Biol. Chem., Jul 1984; 259: 8478 - 8484
▸.....Thus in the group, **S. cerevisiae**, E. coli, B. subtilis...Thus in the group, **S. cerevisiae**, E. coli, B. subtilis...Thus in the group, **S. cerevisiae**, E. coli, B. subtilis...with RNA isolated from **AH22** (ADE4) or from the ade4.....
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☐ H Zalkin, JL Paluh, M van Cleemput, WS Moye, and C Yanofsky
Nucleotide sequence of Saccharomyces cerevisiae genes TRP2 and TRP3 encoding bifunctional anthranilate synthase: indole-3-glycerol phosphate synthase
J. Biol. Chem., Mar 1984; 259: 3985 - 3992
▸.....of these genes by the **S. cerevisiae** general amino acid control...of these genes by the **S. cerevisiae** general amino acid control...from a cross of strains **AH22** (a ku2-3 ku2-112 his4-519...20). Cloning of TRP2-**S. cerevisiae** strain JP1 (trp2 leu2.....
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☐ S Elliott, CW Chang, ME Schweingruber, J Schaller, EE Rickli, and J Carbon
Isolation and characterization of the structural gene for secreted acid phosphatase from Schizosaccharomyces pombe
J. Biol. Chem., Feb 1986; 261: 2936 - 2941
▸.....74 14 12 YPA-3 pPA-4 16.0 71 16 13 **AH22** 0.09 100 <1 PCV(PHO1 <1 **AH22** 1.38 19 <1 81 **S. cerevisiae** (SD + His) (I All activities are corrected...generate vector pCV(PH0) (Fig. IC). **S. cerevisiae** strain **AH22** which contains normal acid phosphatase.....
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☐ GR Taylor, PA Lagosky, RK Storms, and RH Haynes
Molecular characterization of the cell cycle-regulated thymidylate synthase gene of Saccharomyces cerevisiae
J. Biol. Chem., Apr 1987; 262: 5298 - 5307
▸.....1980), and the yeast **S. cerevisiae** (Storms et al., 1984...intervening sequences in **S. cerevisiae**. These included the...internally to all spliced **S. cerevisiae** genes as well as consensus...Strains Genotype Source **AH22** MATa leu2-3,112 his4-419.....
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☐ **MEMBRANES AND BIOENERGETICS:**
Toshiyuki Sakaki, Shiro Kominami, Koji Hayashi, Megumi Akiyoshi-Shibata, and Yoshiyasu Yabusaki
Molecular Engineering Study on Electron Transfer from NADPH-P450 Reductase to Rat Mitochondrial P450c27 in Yeast Microsomes
J. Biol. Chem., Oct 1996; 271: 26209 - 26213 ;
doi:10.1074/jbc.271.42.26209
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▸.....Saccharomyces cerevisiae **AH22** (9) were used...transformation of E.coli and **S.cerevisiae** cells were performed...Recombinant E.coli and **S.cerevisiae** strains were cultivated...was purified from **AH22**/pAMS25 microsomes...introduced into **S.cerevisiae AH22** cells to obtain.....

☐ **NUCLEIC ACIDS, PROTEIN SYNTHESIS, AND MOLECULAR GENETICS:**
Yoon Lee and Ross N. Nazar
Ribosomal 5 S rRNA Maturation in *Saccharomyces cerevisiae*
J. Biol. Chem., Jun 1997; 272: 15206 - 15212 ;
doi:10.1074/jbc.272.24.15206
▸.....transform a LEU2-deficient yeast strain (**AH22**) as described by Hinnen et al...Blobel () with minor modifications. **S. cerevisiae**, strain **AH22**, was grown at 30C in YEPD medium (1...sequences on the expression of 5 S rRNA in **S. cerevisiae**. The 5 S rRNA genes containing altered.....

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☐ **PROTEIN CHEMISTRY AND STRUCTURE:**
S. Wynne Ellis, Graham P. Hayhurst, Gillian Smith, Tracy Lightfoot, Mandy M. S. Wong, Anthony P. Simula, Mark J. Ackland, Michael J. E. Sternberg, Martin S. Lennard, Geoffrey T. Tucker, and C. Roland Wolf
Evidence That Aspartic Acid 301 Is a Critical Substrate-Contact Residue in the Active Site of Cytochrome P450 2D6
J. Biol. Chem., Dec 1995; 270: 29055 - 29058 ;
doi:10.1074/jbc.270.49.29055
▸.....pMA91 and transformed into **S. cerevisiae AH22** cells as described previously...Preparation Transformation of **S. cerevisiae** was by electroporation(22...pMA91 and transformed into **S. cerevisiae AH22** cells as described previously...PreparationD Transformation of **S. cerevisiae** was by electroporation.....

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☐ DI Van Ryk, Y Lee, and RN Nazar
Unbalanced ribosome assembly in Saccharomyces cerevisiae expressing mutant 5 S rRNAs
J. Biol. Chem., Aug 1992; 267: 16177 - 16181
▸.....transform a Leu-2-deficient yeast strain (**AH22**) by the method of Hinnen et al. (Hinnen...16178 Unbalanced Ribosome Assembly in **S. cerevisiae** orthophosphate were added, and at appropriate...conditions Unbalanced Ribosome Assembly in **S. cerevisiae** 16179 z 0 i;:kk 2 0.5 v) O 1 10 20...Polyribosome profiles in transformed **S. cerevisiae** expressing mutant 5 S rRNA genes. Polyribosomes.....

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☐ DI Van Ryk, Y Lee, and RN Nazar
Efficient expression and utilization of mutant 5 S rRNA in Saccharomyces cerevisiae
J. Biol. Chem., May 1990; 265: 8377 - 8381

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☐ TS Tillman and RM Bell
Mutants of Saccharomyces cerevisiae defective in sn-glycerol-3-phosphate acyltransferase. Simultaneous loss of dihydroxyacetone phosphate acyltransferase indicates a common gene
J. Biol. Chem., Jul 1986; 261: 9144 - 9149
▸.....acyltransferase activity of **s. cerevisiae**. This paper reports the...Sigma. Palmi9144 Mutants in **S. cerevisiae** sn-Glycerol-3-phosphate...Genetic Stock Center. Strains **AH22** (a, leu2-3, leu2-112, his4-519...could be due to Mutants in **S. cerevisiae** sn-Glycerol-3-phosphate...TTAI was mated with strain **AH22**, the diploids sporulated...acyltransferase. 9 148 Mutants in **S. cerevisiae** sn-Glycerol-3-phosphate.....

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☐ **NUCLEIC ACIDS, PROTEIN SYNTHESIS, AND MOLECULAR GENETICS:**
Yoon Lee, Yuri F. Melekhovets, and Ross N. Nazar
Termination as a Factor in ` `Quality Control'' during Ribosome Biogenesis
J. Biol. Chem., Nov 1995; 270: 28003 - 28005 ;
doi:10.1074/jbc.270.47.28003
▸.....Saccharomyces cerevisiae strain (**AH22**) as described by Hinnen et...Altered 3`-ETS regions in the **S. cerevisiae** 5 S rRNA gene (Fig.2) were...Altered 3 9-ETS regions in the **S. cerevisiae** 5 S rRNA gene (Fig. 2) were...transform LEU2-deficient **S. cerevisiae** cells. Whole cell RNA was...Saccharomyces cerevisiae strain (**AH22**) as described by Hinnen et.....

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☐ WS Moye, N Amuro, JK Rao, and H Zalkin
Nucleotide sequence of yeast GDH1 encoding nicotinamide adenine dinucleotide phosphate-dependent glutamate dehydrogenase
J. Biol. Chem., Jul 1985; 260: 8502 - 8508
▸.....training and sequenced the **S. cerevisiae** GDHI gene encoding NADPdependent...complementation in bacteria. Yeast strain **AH22** was transformed with pGDH1...this transformant relative to **AH22** transformed with the cloning...The E. coli, N. crassa, and **S. cerevisiae** enzymes have 189 conserved.....

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☐ RH Hjelmstad and RM Bell
Mutants of Saccharomyces cerevisiae defective in sn-1,2-diacylglycerol cholinephosphotransferase. Isolation, characterization, and cloning of the CPT1 gene
J. Biol. Chem., Mar 1987; 262: 3909 - 3917
▸.....progress in the study of other **s. cerevisiae** lipid biosynthetic enzymes...Growth Conditions-The haploid **S. cerevisiae** strains DBY746 (a his3-l leu2-3 leu2-212 urd-52 trpl-289) and **AH22** (a leu2-3 leu2-112 his4-519...mutant to the wild-type strain **AH22** were normal; thus, all of the.....
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☐ B Tang and RN Nazar
Unbalanced regulation of the ribosomal 5 S RNA-binding protein in Saccharomyces cerevisiae expressing mutant 5 S rRNAs
J. Biol. Chem., Sep 1992; 267: 17738 - 17742
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☐ T Kodaki and S Yamashita
Yeast phosphatidylethanolamine methylation pathway. Cloning and characterization of two distinct methyltransferase genes
J. Biol. Chem., Nov 1987; 262: 15428 - 15435
▸.....1.1.17 CHO2 protein, **S cerevisiae** | EC 2.1.1.17 Phosphatidylethanolamine...University of California). **AH22** (a leu23 leu2-112 his4-519...crossing D159-6B with **AH22**. Strain 301 (a peml...crossing strain 314 with **AH22**. Bacterial Strains and...identified two types of **S. cerevisiae** mutants defective in.....
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☐ B Seraphin, M Simon, and G Faye
The mitochondrial reading frame RF3 is a functional gene in Saccharomyces uvarum
J. Biol. Chem., Jul 1987; 262: 10146 - 10153
▸.....X4004-3A FF314 FLIOO M12-54 X2180-1A KL14-4A **AH22** GRF18 AB320 S288C MH41-7B GRF18/2 BS104-1...codon, respectively. This confirms that **S. cerevisiae** and S. uvarum are phylogenetically related...cytoduction (Lancashire and Mattoon, 1979) to **S. cerevisiae** and have no effect on growth and respiration.....
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☐ S Nakamura, H Takasaki, K Kobayashi, and A Kato
Hyperglycosylation of hen egg white lysozyme in yeast
J. Biol. Chem., Jun 1993; 268: 12706 - 12712
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☐ MP Nobrega, FG Nobrega, and A Tzagoloff
COX10 codes for a protein homologous to the ORF1 product of Paracoccus denitrificans and is required for the synthesis of yeast cytochrome oxidase
J. Biol. Chem., Aug 1990; 265: 14220 - 14226
▸.....EXPERIMENTAL PROCEDURES Strains and Media-The strains of **S. cerevisiae** used in this study are listed in Table I. The ~0x10 mutants...W303-1B a,p+,ade2-1,his3-11,3-15,ku2-3,2-112,trp1-1,ura3-1 **AH22** a,p+,bu2-3,2-112,his4-519 C262 a,p+,met6,coxlO-4,ripl C262...19 R. Rothstein" R. Rothstein" G. Fink" This study C262 x **AH22** This study C22 x CBll B22 x LH20 Ref. 17 This study This study.....
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☐ M Iwasaki, R Juvonen, R Lindberg, and M Negishi
Alteration of high and low spin equilibrium by a single mutation of amino acid 209 in mouse cytochromes P450
J. Biol. Chem., Feb 1991; 266: 3380 - 3382
▸.....these mutated cDNAs was inserted into the yeast expression vector pAAH5 as described previously (6) and then transformed to **S. cerevisiae AH22** cells using the LiCl method. Partially, Purification of Mutated P450s-Microsomes were prepared from a 10-liter culture.....
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